

SFB 608

Einladung zum Kolloquium

- Ort:** Universität zu Köln
II. Physikalisches Institut, Seminarraum 201
- Zeit:** Mittwoch, 16.03.05, 14 Uhr c.t.
- Sprecher:** Prof. Sylvia Speller
Institute for Molecules and Materials,
Radboud University of Nijmegen
- Thema:** Studying molecular and electronic properties by
scanning probe microscopy

The aim in Scanning Probe Microscopy studies is the elucidation of processes on local scale and nano-sized objects, like spin-transport, chemical reaction, and interaction with surfaces. This requires advanced types of scanning probe microscopies, e.g. liquid and fluid cells, and special probes. Here I will give an overview the current activities of the Nijmegen SPM group, regarding imaging and spectroscopy of metal surfaces in non-polar solvents, aggregation and reaction of organic macromolecules, tunneling through semiconductor quantum dots, protein nucleic acid complexes, and the role of magnetite in bio-navigation.

Gez. Prof. Hao Tjeng